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PORTÉGÉ™ M780-007

Model: [i]

Portege M780 PPM78C-007006

- Intel® Core™ i5-520M processor – 2.40GHz/2.93GHz, 12.1" WXGA LED antiglare backlight Wide Viewing Angle with Indoor/Outdoor+Touch TFT, 4GB DDR3, 128GB SSD, Modem, LAN, Intel® 802.11agn Wireless, Bluetooth, TPM, Fingerprint, Genuine Windows® 7 Professional

Processor

Intel® Core™ i5-520M processor (2.40GHz/2.93GHz, 3MB Intel® Smart Cache) with Intel® Turbo Boost Technology, Intel® Hyper-Threading Technology and Intel® Virtualization Technology.

Operating System

Genuine Windows® 7 Professional 32/64bit (includes downgrade rights to Windows XP® Professional)
Downgrade Media Included

Memory

Standard Memory: 4GB DDR3 (1067MHz)
Slot1: 2GB DDR3 (1067MHz)
Slot2: 2GB DDR3 (1067MHz)
Maximum Memory: 8GB DDR3
Expansion Modules: 1GB, 2GB, or 4GB DDR3

Hard Disk Drive

128GB S-ATA Solid State Drive

Optical Drive

Ultra Slim Select Bay DVD Super-Multi Double Layer Drive functions:
Read: CD-ROM (24x), DVD-ROM (8x),
Write: CD-R (24x), CD-RW (4x), DVD-R (8x), DVD-R DL (4x), DVD-RW (4x), DVD+R (8x), DVD+R DL (4x) DVD+RW (4x), DVD-RAM (5x)

Display System

Type: TFT Active Matrix LED antiglare backlight indoor/outdoor Wide viewing angle LCD display
Size (diagonal): 12.1" WXGA TFT
LCD Panel Resolution: 1280x800x16.7 million colours
External Support and Maximum Colour Support:
640x480x16.7 million colours
800x600x16.7 million colours
1024x768x16.7 million colours
1280x800x16.7 million colours (native screen)
1600x1200x16.7 million colours (external screen)
1600x1200x16.7 million colours (virtual screen)

Graphics Controller

Intel® GMA HD graphics

Sound System

Realtek ALC268-GR Software Sound, High Definition Audio Link, Built-in stereo speakers

Communication

10/100/1000 Integrated Ethernet LAN + Active Management Technology 6.0
Built-in Intel WiFi Link 5100 (802.11a/g/n)
Bluetooth® version 2.1 with Enhanced Data Rate (EDR)
Built-in Webcam

Expansion

2 memory slots (first slot filled with 2GB, second slot filled with 2GB, slots can be replaced by1GB, 2GB or 4GB modules).

1 Express Card Slot

Ports: 5-in-1 Bridge Media slot (supports SD™ Cards, Memory Stick®, Memory Stick Pro™, MultiMedia Card™, xD-Picture Card™), i.LINK® (IEEE1394), 1 RGB, 2xUSB (2.0), 1 x eSATA/USB 2.0 combo port, 1 Modem (RJ-11), 1 LAN (RJ-45), External Mic, Stereo Headphone.
Supported via Toshiba Express Port Replicator II: USB x6, 10M/100M/1G LAN x1, DVI-D x1, VGA x1, Headphone, Serial x1, Parallel x1
Supported via Dynadock U: DVI-D x1

Keyboard

Canadian Bilingual (English/French) Keyboard
Full sized 86 keys with 13 function keys
Spill Resistant keyboard
Color: Black

Pointing Device

Touchpad, Pen, Active Digitizer with Touch (Pen, Ink, Touch)

Additional Software

Toshiba ConfigFree™
Adobe Acrobat Reader
TOSHIBA Disc Creator
TOSHIBA DVD PLAYER
Norton Internet Security™ – trial
Microsoft Office Professional – trial

Physical Dimensions

Dimensions: (W x L x H): 305 x 239 x 37.4/39.4 mm
Weight: 2.0 kg (4.4lbs)
Color: Titanium Silver

AC Adapter

75W external Universal AC adaptor input voltage (100 –240V 50/60Hz frequency), (15Vx5A)
Dimensions (WxDxH): 127.0 x 30.5 x 51.0 mm
Weight: 355 g

Battery

Battery Type: Removable, Rechargeable 6-cell Lithium Ion (Li-ion) 4700mAh
Battery Life: Up to 4.5 hours
Recharge Time: 3.0 hours off/ 3.5-13 hours on

BIOS

ACPI v2.0c, DDC, PnP, VESA, DPMS, SM BIOS v2.4, PCI BIOS Support V2.1. CompuTrace® BIOS Support

Toshiba EasyGuard™

Secure
- Toshiba Advanced Instant Security
- Toshiba Device Access Control
- Toshiba Multiple-Level Password Utilities
- Toshiba Secure Digital Token Utility
- Toshiba Anti-theft Protection Timer
- Toshiba Reinforced Security Cable Lock Slot
- Execute Disable Bit (XD-Bit)
- Trusted Platform Module (TPM)
- Fingerprint Reader (includes software for password and identity management)
- Computrace™ BIOS support
- Handwriting Signature Login

Protect
- Toshiba RAID
- Spill-Resistant Keyboard
- Shock Absorbing Design
- LCD Panel Shock Absorber
- LCD Inverter Shock Absorber
- Hard Disk Drive Protection
- HDD Dome Shock Protector
- HDD Shock Absorber
- 3D Accelerometer
- Toshiba Key Component Access
- Magnesium Alloy Casework
- Toshiba PC Diagnostic Tool
- Toshiba PC Health Monitor

Connect
- Diversity Antenna
- Toshiba ConfigFree®
- WiFi Easy Locator

Optimize
- Toshiba LCD Rotation Utility
- Toshiba Zooming Utility
- One-touch Resolution Change
- Toshiba Power Saver Utility
- Toshiba Optical Disc Drive Power On/Off
- Wireless On/Off Switch
- Toshiba Fn-esse Shortcut Utility
- Toshiba Assist
- Indoor/Outdoor Display

Environmental Specifications

Temperature: Operating 5°to 35°C (41° to 95°F); Non Operating –20° to 65°C (-4° to149°F)
Thermal Gradient: Operating 15° C per hr. max; Non Operating 20° C per hr. max
Relative Humidity: Operating 20% to 80% non-condensing; Non-Operating: 10% to 90% non-condensing
Altitude (relative to sea level): Operating: -60 to 3,000m.; Non-Operating: -60 to 10,000m.
Shock: Operating: 7G; Non-Operating 60G
Vibration: Operating 0.25G; Non-Operating: 1G

Environmental Credentials

EPEAT Gold
Energy Star 5.0
RoHS

Canada and International Limited Warranty

This Portégé notebook comes with a three (3) year parts and labour Limited International Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded form TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit toshiba.ca

Accessories

Toshiba Express Port Replicator II
- PA3680C-1PRP

Toshiba Dynadock U USB Docking Station with VGA & DVI Port
- PA3575C-1PRP

Ultra Slim Bay DVD Super Multi (Double Layer) Drive Kit II
- PA3696U-1DV6

Toshiba 75W 3pin Global AC Adaptor
- PA3378C-3AC3

Toshiba Primary Li Ion Battery Pack (6 cell)
- PA3191U-5BRS

Toshiba Secondary Slice Battery Li Ion (6 cell)
- PA3510U-1BRL

Toshiba Battery Charger with Integrated AC Adaptor
- PA3091U-2CHG

Toshiba Memory Modules:
- PA3676U-1M2G (2GB DDR3 1067MHz)
- PA3677U-1M4G (4GB DDR3 1067MHz)

Part Number/UPC code

PPM78C-007006 / 6-23506-02574-4

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Central Processing Unit ("CPU" Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

Hard Disk Drive Disclaimer: 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

GPU: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Memory: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

TFT Display Disclaimer: Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

LCD: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

Weight: Weight may vary depending on actual configuration.

Battery: Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

Subject to Change:
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